





Arizona Department of Education
Tom Horne, Superintendent of Public Instruction

March, 2007 Issue 17

## CTE FACTS

<u>Career and Technical Education Arizona - Vision</u>

Ensure a dynamic workforce by fully developing every student's career and academic potential.

<u>Career and Technical Education Arizona - Mission</u>
Prepare Arizona students for workforce success and continuous learning.

## Student Performance and High Expectations

% of college students who felt extremely/very well prepared for coll or future job whose high schools held the to high expectations:	Same students but who felt they were held to <b>low</b> expectations by their high schools: 37%	
% of non-college students who fel extremely/very well prepared for coll or future job whose high schools held the to high expectations:	lege Same students but who felt they	
% of college students who would have worked harder if higher academic standards were set and expectations were raised:	82%	
	Strategies, Achieve, Inc., February 2005. Telephone survey of 1,487 public high school graduates of Classes	

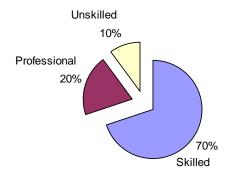
Peter D. Hart Research Associates, Inc./Public Opinion Strategies, Achieve, Inc., February 2005. Telephone survey of 1,487 public high school graduates of Classes of 2002, 2003, 2004; 400 employers who make personnel decisions; 300 instructors of first-years college students.

"Almost one-third of the state's high school students will drop out...nearly one-third graduate without credits needed to attend a four-year university...many go on to college but fail once they get there...unsure how to make classes translate into a good job...vocational education in high schools is emerging as one solution to many of these problems." — The Mercury News; January 2007; ref CA High Schools.

<u>To Quote:</u> "All too often we are giving young people cut flowers when we should be teaching them to grow their own plants." - John W. Gardner

## 4 2007 projected classification breakdown of the American workforce:¹

- A survey of 81,000 high school students in 26 states found two-thirds complain of boredom because the subject matter was irrelevant.....yet 75% the students surveyed expect to graduate high school and go on to college.<sup>2</sup>
- ♣ Elementary school students in San Francisco learn business curriculum as a part of an initiative that "engages students in learning much more than the basic '2-plus-2-is-4' system and gives them a way to connect to their education."



"Math educators must develop applied math courses that address the specific needs of the students, are relevant to their career path and elevate them to a level of math proficiency required for success in college and the workforce."

## CTE Secondary Program Unduplicated Count School Year 2005-2006

Program CIP	CTE Program Title	School Sites	Student Enrollment – Grades 11–12*
12.0500	Culinary Arts	111	9325
52.0200	Bus. Management and Admin Services	103	6422
52.1800	Marketing, Management and Entrepreneurship	101	7665
13.1200	Early Childhood Education	93	4956
15.1200	Information Technology	93	5702
15.1300	Drafting and Design Technology	86	3245
47.0600	Automotive Technologies	82	6808
10.0300	Graphic Communications	62	6046
46.0400	Construction Technologies	61	2772
10.0200	Radio/Television Technology	59	2482
48.0500	Welding Technology	57	2980
13.1500	Education Professions	52	683
52.0300	Accounting and Related Services	51	1107
48.0700	Woodworking	47	1803
01.0300	Agriscience	46	2542
51.1600	Nursing Services	42	1436
52.1900	Design and Merchandising	42	2299
51.0800	Allied Health Services	39	1194
12.0400	Cosmetology	30	593
43.0200	Fire Science	22	412
43.0100	Law, Public Safety and Security	18	1170
15.0300	Electronic Technology	16	501
52.0900	Hospitality Management	15	316
52.0800	Financial Services	12	501
01.0100	Agricultural Business Management – Agriscience	9	892
03.0200	Renewable Natural Resources	5	138
01.0600	Horticulture	3	67
15.0600	Industrial Manufacturing	2	21
	Grand Totals:	1,359	74,078

<sup>\*</sup> Does not include LII program enrollment and may include 9<sup>th</sup> and 10<sup>th</sup> grade student enrollment.

\*\*Source: ADE CTE VOCI 27 Unduplicated Count of 9<sup>th</sup>-12<sup>th</sup> grade students 05/30/06

Created by Steve Peterson, M.Ed., Career and Technical Education, <u>Steven.Peterson@azed.gov</u>. 602-542-5357.

Breaking Ranks II: Strategies for Leading High School Reform, National Association of Secondary School Principals, February 2007.

<sup>3</sup>"Fifth-graders get an early introduction to business basics," <a href="http://www.chron.com/disp/story">http://www.chron.com/disp/story</a> <sup>4</sup>"High school students need math for workplace," Arizona Daily Star, 12.20.2006.

<sup>&</sup>quot;Survey: Many U.S. high school students bored in class". CNN.com; http://www.cnn.com/2007/EDUCATION/02/08/students.survey.reut/index.html.
"Frith-graders get an early introduction to business basics." http://www.chron.com/disp/story.mpl/headline/biz/4579530.html.